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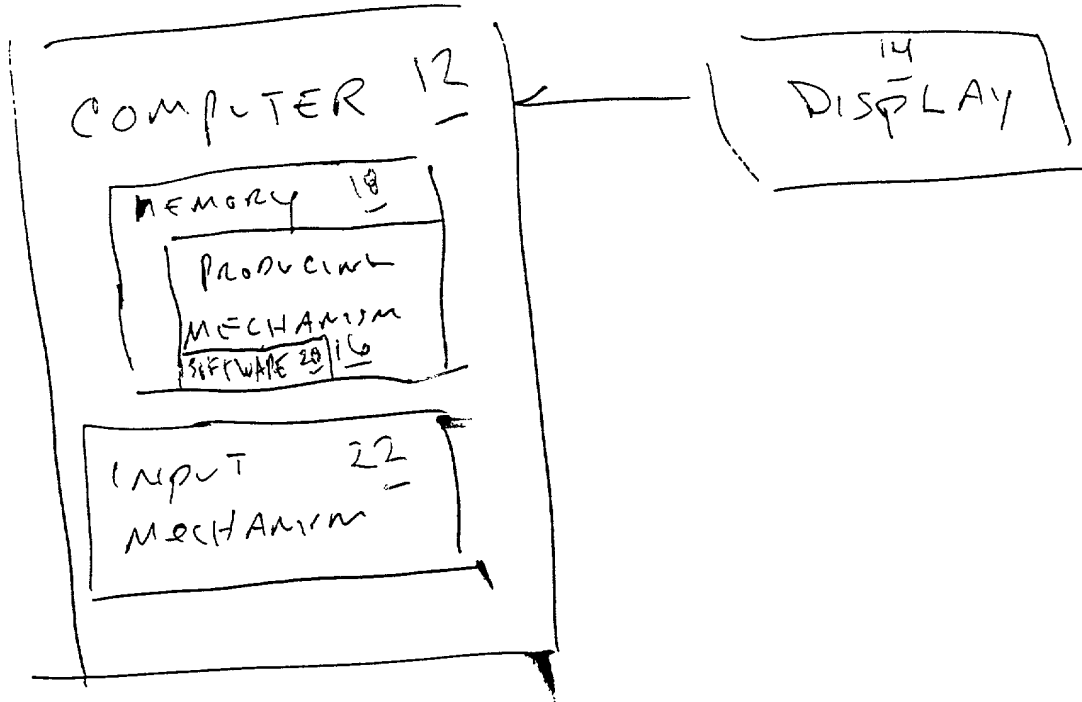


Fig 1

[illegible]

new df/dx at z=0.0	old df/dy at z=0.0	new df/dx at z=0.0
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old df/dy at $z=0.0$ new df/dx at $z=0.0$

new df/dx at $z=0.0$

old df/dx at $z=0.5$	new df/dx at $z=0.5$	old df/dy at $z=0.5$	new df/dx at $z=0.5$
old df/dz at $z=0.0$	new df/dz at $z=0.0$	old $f(xyz)$ at $z=0.0$	new $f(xyz)$ at $z=0.0$
old df/dz at $z=0.5$	new df/dz at $z=0.5$	old $f(xyz)$ at $z=0.5$	new $f(xyz)$ at $z=0.5$

new df/dx at $z=0.5$	old df/dy at $z=0.5$	new df/dx at $z=0.5$
new df/dz at $z=0.0$	old $f(xyz)$ at $z=0.0$	new $f(xyz)$ at $z=0.0$
new df/dz at $z=0.5$	old $f(xyz)$ at $z=0.5$	new $f(xyz)$ at $z=0.5$

old df/dy at $z=0.5$	new df/dx at $z=0.5$
old $f(xyz)$ at $z=0.0$	new $f(xyz)$ at $z=0.0$
old $f(xyz)$ at $z=0.5$	new $f(xyz)$ at $z=0.5$

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new df/dx at z=0.5
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The figure displays a 2x4 grid of plots showing the evolution of a function $f(x,y,z)$ and its derivative df/dz over time. The top row shows results at $z=0.0$, and the bottom row shows results at $z=0.5$. Each plot compares 'old' and 'new' values of the function and its derivative.

Top Row ($z=0.0$):

- Plot 1 (Left):** $old\ df/dz\ at\ z=0.0$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 2 (Second from Left):** $new\ df/dz\ at\ z=0.0$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 3 (Third from Left):** $old\ f(x,y,z)\ at\ z=0.0$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 4 (Right):** $new\ f(x,y,z)\ at\ z=0.0$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.

Bottom Row ($z=0.5$):

- Plot 1 (Left):** $old\ df/dz\ at\ z=0.5$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 2 (Second from Left):** $new\ df/dz\ at\ z=0.5$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 3 (Third from Left):** $old\ f(x,y,z)\ at\ z=0.5$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.
- Plot 4 (Right):** $new\ f(x,y,z)\ at\ z=0.5$. The y-axis ranges from -0.0001 to 0.0001. The plot shows a noisy signal fluctuating around zero.

new df/dz at $z=0.0$	old $f(xyz)$ at $z=0.0$	new $f(xyz)$ at $z=0.0$
new df/dz at $z=0.5$	old $f(xyz)$ at $z=0.5$	new $f(xyz)$ at $z=0.5$



old $f(xyz)$ at $z=0.0$

new $f(xyz)$ at $z=0.0$

old $f(xyz)$ at $z=0.5$

new $f(xyz)$ at $z=0.5$

new $f(xyz)$ at $z=0.0$

[illegible]

<code>new df/dz at z=0.5</code>	<code>old f(xyz) at z=0.5</code>	<code>new f(xyz) at z=0.5</code>
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old $f(xyz)$ at $z=0.5$ new $f(xyz)$ at $z=0.5$

new $f(xyz)$ at $z=0.5$

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